

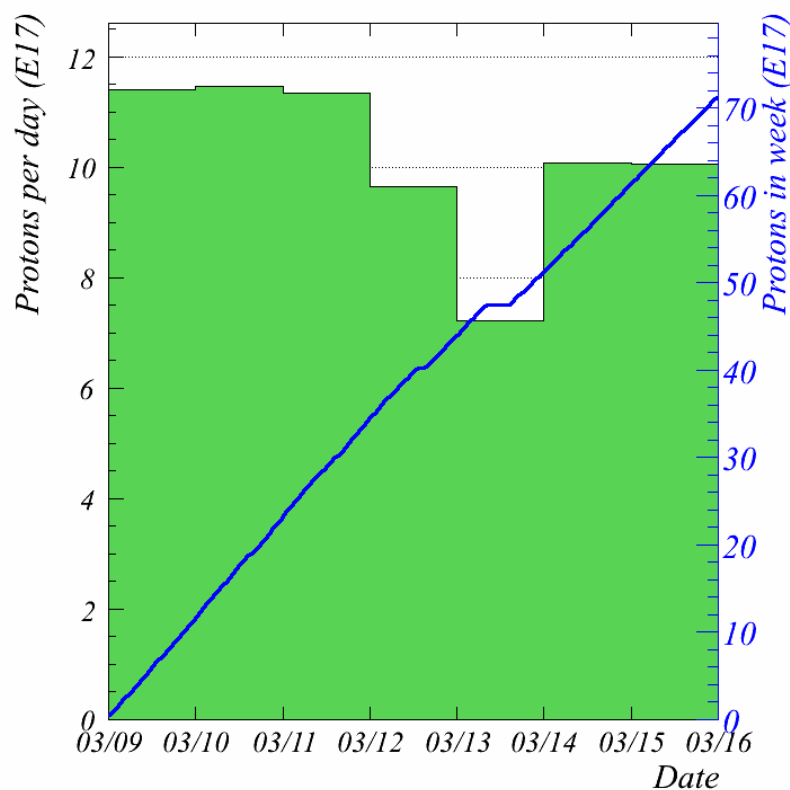


All Exp Mtg
March 16, 2009

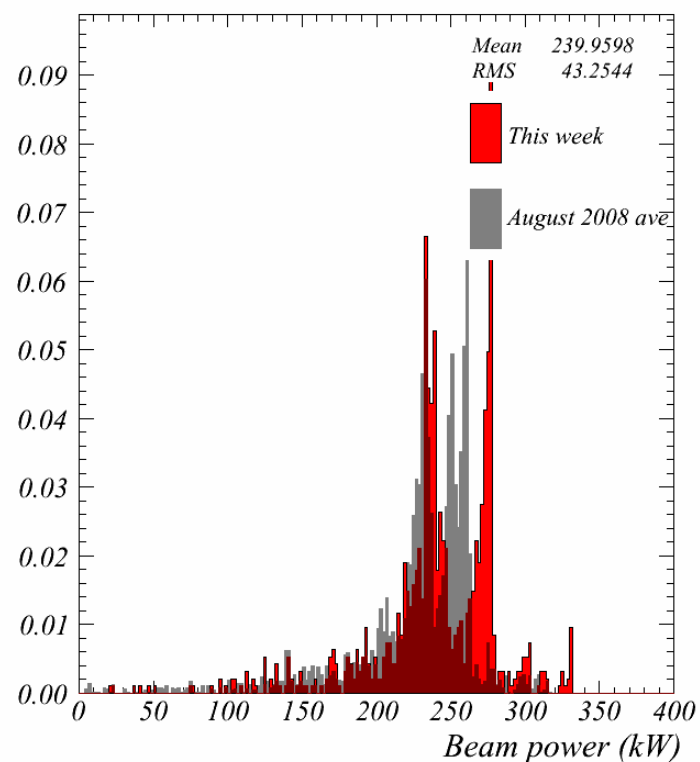
NuMI-MINOS Status Report — Bob Zwaska

- 71e17 protons for the week
- Mostly good running
 - Glitch on Friday
 - Losses over the weekend kept power down

Week to 00:00 Monday 16 March 2009



Week ending 00:00 Monday 16 March 2009



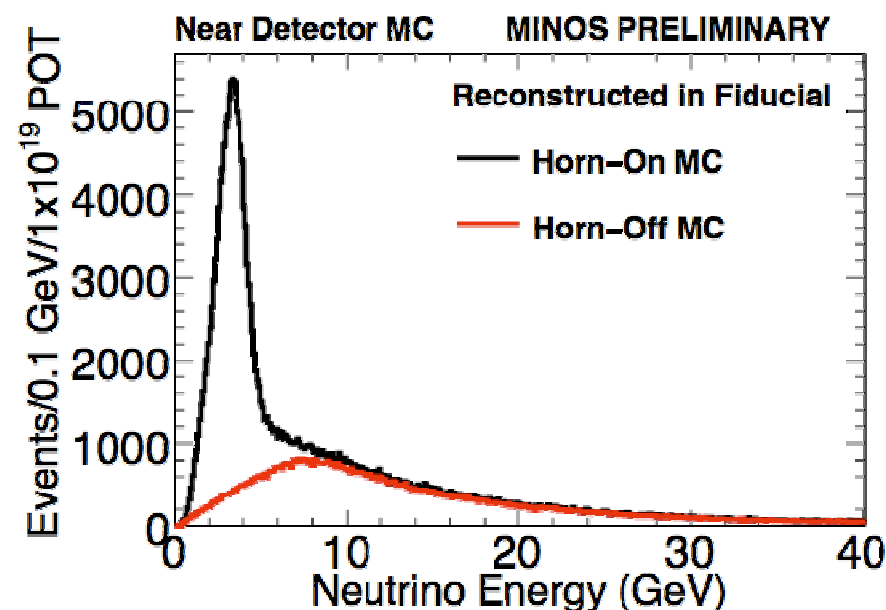


All Exp Mtg
March 16, 2009

NuMI-MINOS Status Report – Bob Zwaska

Horn-off Running:

- A small amount of *Near Detector* data taken with the horns off is a major part of our ν_e measurement
 - Different energy spectra allow different interaction components to be separated out
- We need to take more horn-off data for our Run III analysis
 - Run III doubles the ν_e dataset
 - Need 6-7e18 of horn-off data
 - Already have $\sim 2e18$
 - High-priority before shutdown
- Plan to take data over two weekends in April
 - Minimize possible effects from concurrent construction in MINOS hall
 - Should be transparent to operations upstream of NuMI
 - Requires some masking in beam permit system





All Exp Mtg
March 16, 2009

NuMI-MINOS Status Report – Bob Zwaska

NEAR DETECTOR:

- Detector VME power supplies turned off accidentally during slow control maintenance
 - Remote power on/off functionality hadn't been working – apparently issued incorrect commands
 - Caused a few hours of downtime
 - Working on new diagnostics to allow quicker resolution
 - Slow controls working again
- Magnetic field is REVERSED
 - Reversed this afternoon
 - Reconstruction changeover complete – back to bimonthly reversals

Proton-weighted Live-time:

Week: 97.72%



All Exp Mtg
March 16, 2009

NuMI-MINOS Status Report — Bob Zwaska

FAR DETECTOR:

- No significant problems
- HV trip cost a few minutes of data (reset automatically)
- Soudan needs an 8-hour down period to do electrical work further up in the mine
 - Needs to be somewhere Mar 15 – Apr 10
 - Needs a 24-hour heads-up
 - Will try to coordinate with Horn-off running

Proton-weighted Live-time: 99.89%

Wall-clock Live-time: 99.55%

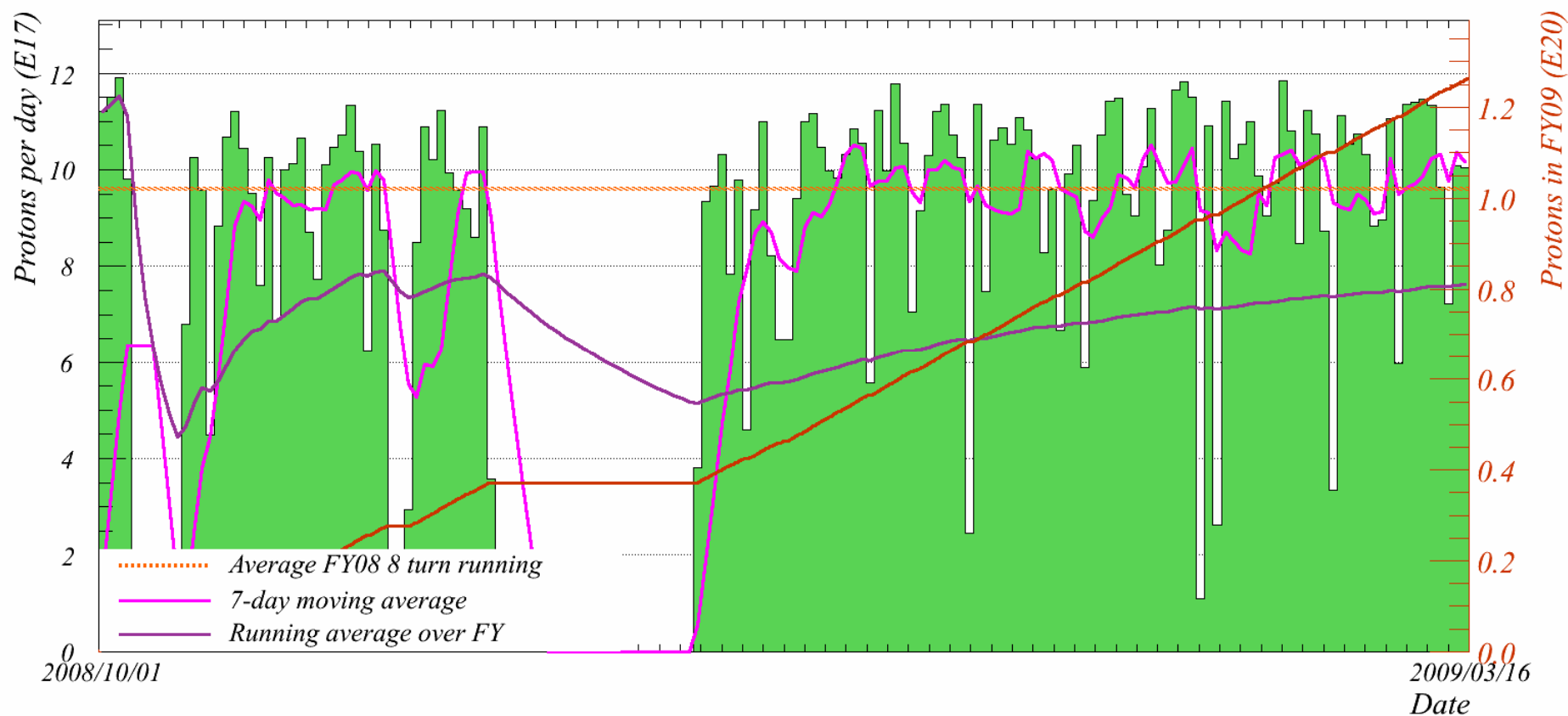


NuMI-MINOS Status Report — Bob Zwaska

All Exp Mtg
March 16, 2009

- Fiscal year 2009 - $1.27\text{e}20$

FY09 NuMI protons to 00:00 Monday 16 March 2009





All Exp Mtg
March 16, 2009

NuMI-MINOS Status Report – Bob Zwaska

- Entire Run - $6.8e20$

Total NuMI protons to 00:00 Monday 16 March 2009

